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 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

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DATE: Sunday, October 31, 2004 [Printable Copy](#) [Create Case](#)

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☐ 11. Document ID: US 20030047720 A1

Using default format because multiple data bases are involved.

L10: Entry 11 of 36

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030047720

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030047720 A1

TITLE: Mono-, oligo- and poly-4- fluorothiophenes and their use as charge transport materials

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Heeney, Martin	Southampton		GB	
Farrand, Louise	Spetisbury, Blandford Forum		GB	
Giles, Mark	Southampton		GB	
Thompson, Marcus	Fordingbridge		GB	
Tierney, Steven	Southampton		GB	
Shkunov, Maxim	Southampton		GB	
Sparrowe, David	Bournemouth		GB	
McCulloch, Iain	Kings Somborne		GB	

US-CL-CURRENT: 252/500

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 12. Document ID: US 20030047719 A1

L10: Entry 12 of 36

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030047719

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030047719 A1

TITLE: Mono-, oligo- and polydithienopyridines

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Heeney, Martin	Southampton		GB	
Tierney, Steven	Southampton		GB	
Thompson, Marcus	Fordingbridge Hampshire		GB	
Giles, Mark	Southampton		GB	
Farrand, Louise	Dorset		GB	
Shkunov, Maxim	Southampton		GB	
Sparrowe, David	Dorset		GB	
McCulloch, Iain	Kings Somborne		GB	

US-CL-CURRENT: 252/500

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 13. Document ID: US 20030026922 A1

L10: Entry 13 of 36

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030026922

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030026922 A1

TITLE: Chiral compounds

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
May, Alison Linda	Dorset		GB	
Greenfield, Simon	Dorset		GB	
Goulding, Mark John	Hampshire		GB	
Parri, Owain Llyr	Dorset		GB	

US-CL-CURRENT: 428/1.1; 252/299.01, 252/299.2, 252/299.61, 252/299.62, 252/299.63, 252/299.64, 252/299.67

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 14. Document ID: US 20030025104 A1

L10: Entry 14 of 36

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030025104

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030025104 A1

TITLE: Polymerizable composition showing liquid-crystal phase and optically anisotropic object made with the same

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Obi, Naoki	Tokyo		JP	
Lee, Seungtaeg	Sakura-shi		JP	
Hasebe, Hiroshi	Ageo-shi		JP	
Kawara, Tatsuo	Tokyo		JP	

US-CL-CURRENT: 252/299.01; 252/299.61, 252/299.62, 252/299.63, 252/299.64,
252/299.65, 252/299.66

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 15. Document ID: US 20030021912 A1

L10: Entry 15 of 36

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030021912

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030021912 A1

TITLE: Thienothiophene derivatives

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Farrand, Louise	Speitsbury		DE	
Thompson, Marcus	Fordinbridge		GB	
Giles, Mark	Southampton		GB	
Heeney, Martin	Southampton		GB	
Tierney, Steven	Southampton		GB	
Shkunov, Maxim	Southampton		GB	
Sparrowe, David	Bournemouth		GB	
McCulloch, Iain	Kings Somborne		GB	

US-CL-CURRENT: 428/1.1; 252/299.61, 252/299.62

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 16. Document ID: US 20020045676 A1

L10: Entry 16 of 36

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020045676

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020045676 A1

TITLE: Reflective file

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Coates, David	Dorset		GB	
Verrall, Mark Andrew	Dorset		GB	

US-CL-CURRENT: 522/170; 252/299.01, 428/1.1, 522/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 17. Document ID: US 6806374 B2

L10: Entry 17 of 36

File: USPT

Oct 19, 2004

US-PAT-NO: 6806374

DOCUMENT-IDENTIFIER: US 6806374 B2

TITLE: Mono-, oligo- and poly-3-(1,1-difluoroalkyl)thiophenes and their use as charge transport materials

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 18. Document ID: US 6805922 B2

L10: Entry 18 of 36

File: USPT

Oct 19, 2004

US-PAT-NO: 6805922

DOCUMENT-IDENTIFIER: US 6805922 B2

TITLE: Mono-, oligo- and polyalkylidenefluorenes and their use as charge transport materials

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 19. Document ID: US 6749771 B1

L10: Entry 19 of 36

File: USPT

Jun 15, 2004

US-PAT-NO: 6749771

DOCUMENT-IDENTIFIER: US 6749771 B1

TITLE: Compounds as components in polymerizable liquid crystalline mixtures and liquid crystal polymer networks comprising them

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 20. Document ID: US 6730241 B2

L10: Entry 20 of 36

File: USPT

May 4, 2004

US-PAT-NO: 6730241

DOCUMENT-IDENTIFIER: US 6730241 B2

TITLE: Polymerizable composition showing liquid-crystal phase and optically anisotropic object made with the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 21. Document ID: US 6723395 B2

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L10: Entry 21 of 36

File: USPT

Apr 20, 2004

US-PAT-NO: 6723395

DOCUMENT-IDENTIFIER: US 6723395 B2

TITLE: Chiral compounds

DATE-ISSUED: April 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
May; Alison Linda	Dorset			GB
Greenfield; Simon	Dorset			GB
Goulding; Mark John	Hampshire			GB
Parri; Owain Llyr	Dorset			GB

US-CL-CURRENT: 428/1.1; 252/299.2, 252/299.61, 252/299.62, 252/299.7, 349/106, 349/185, 549/435

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 22. Document ID: US 6695978 B2

L10: Entry 22 of 36

File: USPT

Feb 24, 2004

US-PAT-NO: 6695978

DOCUMENT-IDENTIFIER: US 6695978 B2

TITLE: Mono-, oligo- and polymers of benzo[b]thiophene and 2,2'-bisbenzo[b]thiophene and their use as charge transport materials

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 23. Document ID: US 6676857 B2

L10: Entry 23 of 36

File: USPT

Jan 13, 2004

US-PAT-NO: 6676857

DOCUMENT-IDENTIFIER: US 6676857 B2

TITLE: Mono-, oligo- and poly-4-fluorothiophenes and their use as charge transport materials

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 24. Document ID: US 6630076 B1

L10: Entry 24 of 36

File: USPT

Oct 7, 2003

US-PAT-NO: 6630076

DOCUMENT-IDENTIFIER: US 6630076 B1

TITLE: Liquid crystalline compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 25. Document ID: US 6607677 B1

L10: Entry 25 of 36

File: USPT

Aug 19, 2003

US-PAT-NO: 6607677

DOCUMENT-IDENTIFIER: US 6607677 B1

TITLE: Optically active compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 26. Document ID: US 6569356 B1

L10: Entry 26 of 36

File: USPT

May 27, 2003

US-PAT-NO: 6569356

DOCUMENT-IDENTIFIER: US 6569356 B1

**** See image for Certificate of Correction ****

TITLE: Chiral compounds and their use as doping agents in liquid crystals

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 27. Document ID: US 6514578 B1

L10: Entry 27 of 36

File: USPT

Feb 4, 2003

US-PAT-NO: 6514578

DOCUMENT-IDENTIFIER: US 6514578 B1

**** See image for Certificate of Correction ****

TITLE: Polymerizable mesogenic tolanes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 28. Document ID: US 6491990 B1

L10: Entry 28 of 36

File: USPT

Dec 10, 2002

US-PAT-NO: 6491990

DOCUMENT-IDENTIFIER: US 6491990 B1

TITLE: Monoreactive mesogenic compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 29. Document ID: US 6466297 B1

L10: Entry 29 of 36

File: USPT

Oct 15, 2002

US-PAT-NO: 6466297

DOCUMENT-IDENTIFIER: US 6466297 B1

TITLE: Method of preparing a broadband reflective polarizer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 30. Document ID: US 6420001 B1

L10: Entry 30 of 36

File: USPT

Jul 16, 2002

US-PAT-NO: 6420001

DOCUMENT-IDENTIFIER: US 6420001 B1

TITLE: Reflective film

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 31. Document ID: US 6319963 B1

Using default format because multiple data bases are involved.

L10: Entry 31 of 36

File: USPT

Nov 20, 2001

US-PAT-NO: 6319963

DOCUMENT-IDENTIFIER: US 6319963 B1

TITLE: Reflective film

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coates; David	Dorset			GB
Verrall; Mark Andrew	Dorset			GB

US-CL-CURRENT: [522/1](#); [252/299.01](#), [252/299.3](#), [428/1.1](#), [428/1.2](#), [428/1.31](#), [430/20](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 32. Document ID: US 6217948 B1

L10: Entry 32 of 36

File: USPT

Apr 17, 2001

US-PAT-NO: 6217948

DOCUMENT-IDENTIFIER: US 6217948 B1

TITLE: Polymer film

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 33. Document ID: US 6099758 A

L10: Entry 33 of 36

File: USPT

Aug 8, 2000

US-PAT-NO: 6099758

DOCUMENT-IDENTIFIER: US 6099758 A

TITLE: Broadband reflective polarizer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 34. Document ID: US 5863457 A

L10: Entry 34 of 36

File: USPT

Jan 26, 1999

US-PAT-NO: 5863457

DOCUMENT-IDENTIFIER: US 5863457 A

TITLE: Polymerizable liquid crystal composition and optically anisotropic film comprising the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 35. Document ID: US 5593617 A

L10: Entry 35 of 36

File: USPT

Jan 14, 1997

US-PAT-NO: 5593617

DOCUMENT-IDENTIFIER: US 5593617 A

**** See image for Certificate of Correction ****

TITLE: Photochemically polymerizable liquid crystals

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 36. Document ID: US 5164111 A

L10: Entry 36 of 36

File: USPT

Nov 17, 1992

US-PAT-NO: 5164111

DOCUMENT-IDENTIFIER: US 5164111 A

TITLE: Polymerizable liquid-crystal material and polymers exhibiting liquid-crystal phases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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